



-1-

## SEQUENCE LISTING

<110> ISHIMA, Masahiro  
YOSHIDA, Tsutomu  
YAMAZAKI, Takayuki  
SUGAWARA, Fumio  
HATTA, Kiyoshige  
SHIMOJOE, Manabu  
MASAKI, Kazuyoshi

<120> NOVEL PEPTIDES, DERIVATIVES THEREOF, PROCESS FOR PRODUCING THE SAME, NOVEL STRAIN PRODUCING THE SAME, AND ANTIVIRAL AGENT COMPRISING THE SAME AS ACTIVE INGREDIENT

<130> 03461C/HG

<140> US 10/632, 949

<141> 2003-07-31

<150> JP 2001-032729

<151> 2001-02-08

<160> 6

<170> PatentIn Ver. 2.0

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<212> PRT

<213> Pseudomonas sp.

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<221> SITE

<222> (1)

<223> a 3-hydroxy decanoyl group is bonded to the amino group of Leu (1)

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<222> (7) and (14)

<223> The hydroxy group of Ser at (7) and the carboxylic group of Ile at (14) esterified to make a cyclic structure

<400> 1

Leu Glu Gln Val Leu Gln Ser Val Leu Leu Gln Leu Gln Ile  
1 5 10

<210> 2  
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<222> (1)  
<223> a 3-hydroxy decanoyl group is bonded to the amino group of Leu (1)

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<221> MUTAGEN  
<222> (3), (6), (11), (13)  
<223> Each of the Gln's at (3), (6), (11), (13) is modified to Dbu, which is 2,4-diaminobutyric acid

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<222> (7) and (14)  
<223> The hydroxy group of Ser at (7) and the carboxylic group of Ile at (14) esterified to make a cyclic structure

<400> 2

Leu Glu Gln Val Leu Gln Ser Val Leu Leu Gln Leu Gln Ile  
1 5 10

<210> 3  
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<222> (1)  
<223> a 3-hydroxy decanoyl group is bonded to the amino group of Leu (1)

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<222> (3), (6), (11), (13)

<223> Each of the Gln's at (3), (6), (11), (13) is modified to Dbu, which is 2,4-diaminobutyric acid

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Leu Glu Gln Val Leu Gln Ser Val Leu Leu Gln Leu Gln Ile  
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<223> The hydroxy group of Ser at (7) and the carboxylic group of Leu at (14) esterified to make a cyclic structure

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Leu Glu Gln Val Leu Gln Ser Val Val Leu Gln Leu Gln Leu  
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<211> 14

<212> PRT

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<222> (7) and (14)

<223> The hydroxy group of Ser at (7) and the carboxylic group of Ile at (14) esterified to make a cyclic structure

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Leu Glu Gln Val Leu Gln Ser Val Leu Leu Gln Leu Gln Ile  
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<211> 14

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<223> Glu at (2) is alkylated

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<222> (7) and (14)

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<400> 6

Leu Glu Gln Val Leu Gln Ser Val Leu Leu Gln Leu Gln Ile  
1 5 10